

### **ABSTRACT**

A method in which all or some of the particles contained in the exhaust gases of a diesel engine are retained on particle filters and burnt due to the action of a combustion catalyst. At least a part of the particle filters are obstructed when the temperature  $\theta_g$  of the exhaust gases for filtration is equal to or less than a threshold temperature  $\theta_s$ , so as to limit or avoid cooling of the obstructed part of the particle filters and to maintain the same at a temperature  $\theta_o$  greater than or equal to  $\theta_s$  up until the time when  $\theta_g$  becomes greater than  $\theta_s$  again and thus permit accelerated regeneration of the obstructed part of the particle filters. Also disclosed is an exhaust gas filtration device which permits the carrying out of the filtration method with continuous and regular regeneration of the particle filters.